Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 21865-002001/6502	Application No. 10/718,986
List of Patents and Publications for Applicant's Information Disclosure Statement		Applicant	
(37 CFR §1.98(b))		Filing Date November 21, 2003	Group Art Unit 1652

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/TS/	AA	2002/0025320	02/28/02	Boyaka et al.	424	184.1	06/25/01
	AB	2005/0112751	05/26/05	Fang et al.	435	206	09/10/04
	AC	5,532,215	07/02/96	Lezdey et al.	514	8	10/03/94
	AD	6,251,392	06/26/01	Hein et al.	424	134.1	10/20/97
/TS/	AE	6,440,419	08/27/02	Hein et al.	424	178.1	10/20/98

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
/TS/	AF	WO 04/047735	06/10/04	WIPO				
/TS/	AG	WO 06/031291	03/23/06	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

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/TS/	AH	Ahmed K., et al., "Attachment of moraxella catarrhalis to pharyngeal epithelial cells is mediated by a glycosphingolipid receptor," FEMS Microbiology Letters, 135:305-309, (1996).
	AI	Alvarez, P. et al., "Improving protein pharmacokinetics by genetic fusion to simple amino acid sequences," Journal of Biological Chemistry, 279:3375-3381, (2004).
	AJ	Andersson, B., et al., "Inhibition of attachment of streptococcus pneumoniae and haemophilus influenzae by human milk and receptor oligosaccharides," Journal of Infectious Diseases, 153:232-237, (1986).
	AK	Andrews, J., et al., "Community-acquired pneumonia," Current Opinion in Pulmonary Medicine, 9:175-180, (2003).
	AL	Angata, T., et al., "1-type lectins," Biochimica et Biophysica Acta, 1572:294-316, (2002).
	AM	Baker, N., et al., "Glycosphingolipid receptors for pseudomonas aeruginosa," Infection and Immunity, 58:2361-2366, (1990).
	AN	Ball, P., "Epidemiology and treatment of chronic bronchitis and its exacerbations," Chest, 108: 43S-52S, (1995).
	AO	Bals, R., et al., "Transduction of well-differentiated airway epithelium by recombinant adeno-associated virus is limited by vector entry," Journal of Virology, 73:6085-6088, (1999).
	AP	Barthelson, R., et al., "Adherence of streptococcus pneumoniae to respiratory epithelial cells is inhibited by sialylated oligosaccharides," Infection and Immunity, 66:1439-1444, (1998).
	AQ	Bartlett, J., et al. "Community-acquired pneumonia in adults: guidelines for management," The Infectious Diseases Society of America clinical infectious diseases," 26:811-838, (1998).
/TS/	AR	Belshe, R. et al., "Genetic basis of resistance to rimantadine emerging during treatment of influenza virus infection," Journal of Virology, 62:1508-1512, (1988).

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/TS/	AS	Belser et al., "DAS181, A novel sialidase fusion protein, protects mice from lethal avian influenza H5N1 virus infection" JID 196:1493-1499 (2007).
	AT	Beswick, E., et al., "Comparative studies of glycosaminoglycan involvement in Chlamydia pneumoniae and C trachomatis invasion of host cells," Journal of Infectious Diseases, 187:1291-1300, (2003).
	AU	Cocchiara, R., et al., "Inhibitory effect of neuraminidase on SP-induced histamine release and TNF-alpha mRNA in rat mast cells: evidence of a receptor-independent mechanism," Journal of Neuroimmunology, 75, 9-18, (1997).
	AV	Crennell, S.J., et al., Garman, "Crystal structure of Vibrio Cholerae neuraminidase reveals dual lectin-like domains in addition to the catalytic domain," Structure, 2:535-544, (1994).
	AW	Crocker, P. and A. Varki, "Siglecs, sialic acids and innate immunity," Trends in Immunology, 22, 337-342, (2001).
	AX	Cundell, D. and E. Tuomanen, "Receptor specificity of adherence of streptococcus pneumoniae to human type-II pneumocytes and vascular endothelial cells in vitro," Microbial Pathogenesis, 17:361-374, (1994).
	AY	Cundell D R, Weiser J N, Shen J, Young A, & Tuomanen E I (1995) Relationship between colonial morphology and adherence of Streptococcus pneumoniae Infection and Immunity 63, 757-761, (1995).
	AZ	Faden, H., "The microbiologic and immunologic basis for recurrent otitis media in children," European Journal of Pediatrics, 160:407-413, (2001).
	BA	Fakih, N., et al., "Specific binding of haemophilus influenzae to minor gangliosides of human respiratory epithelial cells," Infection and Immunity, 65:1695-1700, (1997).
	BB	File, T., "The epidemiology of respiratory tract infections," Seminars in Respiratory Infections, 15:184-194, (2000).
	BC	Flotte, T. and B. Carter, "Adeno-associated virus vectors for gene therapy of cystic fibrosis," Methods in Enzymology, 292, 717-732, (1998).
	BD	Flotte, T., et al., "Stable in vivo expression of the cystic fibrosis transmembrane conductance regulator with an adeno-associated virus vector," Proceedings of the National Academy of Sciences of the United States of America, 90, 10613-10617, (1993).
	BE	Garcia-Rodriguez, J., et al., "Dynamics of nasopharyngeal colonization by potential respiratory pathogens," Journal of Antimicrobial Chemotherapy, 50[Suppl S2]:59-73, (2002).
	BF	Gaskell et al., "The three domains of a bacterial sialidase: a beta-propeller, an immunoglobulin module and a galactose-binding jelly-roll," Structure 3:1197-1205, (1995).
	BG	Genbank Accession Number A49227 (2 pgs.) (accessed on 09.19.2007).
	BH	GenBank Accession Number AAH09799 (3 pgs.) (accessed on 09.19.2007).
	BI	Genbank CoreNucleotide Accession Number D01045 (4 pgs.) (accessed on 02.01.2007).
	BJ	Genbank Accession Number L06898 (4 pgs.) (accessed on 09.19.2007).
	BK	Genbank CoreNucleotide Accession Number NM080741(4 pgs.) (accessed on 04.20.2007).
/TS/	BL	Genbank CoreNucleotide Accession Number X62276 (4 pgs.) (accessed on 02.01.2007).

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/TS/	BM	Genbank CoreNucleotide Accession Number X87369 (6 pgs.) (accessed on 02.01.2007).
	BN	Genbank CoreNucleotide Accession Number Y16535 (4 pgs.) (accessed on 02.01.2007).
	BO	Halbert, C., et al., "Efficient mouse airway transduction following recombination between AAV vectors carrying parts of a larger gene," Nature Biotechnology, 20:697-701, (2002).
	BP	Halbert, C., et al., "Successful readministration of adeno-associated virus vectors to the mouse lung requires transient immunosuppression during the initial exposure," Journal of Virology, 72:9795-9805, (1998).
	BQ	Hazlett, L., et al., "In vivo identification of sialic acid as the ocular receptor for Pseudomonas aeruginosa," Infection and Immunity, 51:687-689, (1986).
	BR	Hirel, P., et al., Extent of N-terminal methionine excision from Escherichia coli proteins is governed by the side-chain length of the penultimate amino acid," Proceedings of the National Academy of Sciences of the United States of America, 86:8247-8251
	BS	Hirmo, S., et al., "Adhesion of Helicobacter pylori strains to alpha-2,3-linked sialic acids," Glycoconjugate Journal, 13:1005-1011, (1996).
	BT	Jarreau P H, Harf A, Levame M, Lambre C R, Lorino H, & Macquin-Mavier I (1992) Effects of neuraminidase on airway reactivity in the guinea pig American Review of Respiratory Disease, 145:906-910, (1992).
	BU	Kai, H., et al., "The influence of neuraminidase treatment on tracheal smooth muscle contraction," European Journal of Pharmacology, 220:181-185, (1992).
	BV	Karlsson, K., "Meaning and therapeutic potential of microbial recognition of host glycoconjugates," Molecular Microbiology, 29:1-11, (1998).
	BW	Karp, P., et al., "An in vitro model of differentiated human airway epithelia methods for establishing primary cultures," Methods in Molecular Biology, 188:115-137, (2002).
	BX	Kawakami, K., "Attachment of nontypable Haemophilus influenzae to human pharyngeal epithelial cells mediated by a ganglioside receptor," Microbiology and Immunology, 42, 697-702, (1998).
	BY	Kido H, et al., "Cellular proteinases and viral infection: influenza virus, sendai virus and HIV-1," p.205-217. In B. Dunn (ed.), Proteases of infectious agents. Academic Press, New York, N.Y. , (1999).
	BZ	Le Calvez, H., et al., "Biochemical prevention and treatment of viral infections - a new paradigm in medicine for infectious diseases," Virology Journal, 1:12, (2004).
	CA	Lyczak, J., "Lung infections associated with cystic fibrosis," Clinical Microbiology Reviews, 15:194-222, (2002).
	CB	Macfarlane, J., "An overview of community acquired pneumonia with lessons learned from the British Thoracic Society Study," Seminars in Respiratory Infections, 9:153-165, (1994).
	CC	Malakhov, M.P., et al., "Sialidase fusion protein as a novel broad-spectrum inhibitor of influenza virus infection," Antimicrobial Agents and Chemotherapy, 50(4):1470-1479, (2006).
	CD	Martinez, I. and J. Melero, "Binding of human respiratory syncytial virus to cells: implication of sulfated cell surface proteoglycans," Journal of General Virology, 81:2715-2722, (2000).
/TS/	CE	Matsushima, T., et al., "Etiology and management of community-acquired pneumonia in Asia," Current Opinion in Infectious Diseases, 15:157-162, (2002).

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/TS/	CF	Mbaki, N., et al., "Correlation between Branhamella catarrhalis adherence to oropharyngeal cells and seasonal incidence of lower respiratory tract infections," Tohoku Journal of Experimental Medicine, 153:111-121, (1987).
	CG	Mendel, D., et al., "Oral administration of a prodrug of the influenza virus neuraminidase inhibitor GS 4071 protects mice and ferrets against influenza infection," Antimicrobial Agents and Chemotherapy, 42:640-646, (1998).
	CH	Miller-Podraza, H., et al., "Recognition of glycoconjugates by Helicobacter pylori Comparison of two sialic acid-dependent specificities based on haemagglutination and binding to human erythrocyte glycoconjugates," Glycoconjugate Journal, 4:467-471, (1997).
	CI	NCBI Core Nucleotide D01045, (accessed on 02.01.07).
	CJ	NCBI Core Nucleotide NM080741, (accessed on 4.19.07).
	CK	NCBI Core Nucleotide X62276, (accessed on 02.01.07).
	CL	NCBI Core Nucleotide X87369, (accessed on 02.01.07).
	CM	Park, P., et al., "Exploitation of syndecan-1 shedding by Pseudomonas aeruginosa enhances virulence," Nature, 411:98-102, (2001).
	CN	Potier, M., "Fluorometric assay of neuraminidase with a sodium (4-methylumbelliferyl-alpha-D-N-acetylneuraminate) substrate," Analytical Biochemistry, 94:287-296, (1979).
	CO	Reuman, P., et al., "Assessment of signs of influenza illness in the ferret model," Journal of Virological Methods, 24:27-34, (1989).
	CP	Root et al., "Targeting therapeutics to an exposed and conserved binding element of the HIV-1 fusion protein" Proc. Natl. Acad. Sci. 100(9):5016-5021 (2003).
	CQ	Schultze, B., et al., "The S protein of bovine coronavirus is a hemagglutinin recognizing 9-O-acetylated sialic acid as a receptor determinant," Journal of Virology, 65:6232-6237, (1991).
	CR	Simon, P., et al., "Inhibition of Helicobacter pylori binding to gastrointestinal epithelial cells by sialic acid-containing oligosaccharides," Infection and Immunity, 65:750-757, (1997).
	CS	Smith, H. and Sweet, C., "Lessons for human influenza from pathogenicity studies with ferrets," Reviews of Infectious Diseases, 10:56-75, (1988).
	CT	Solzbacher, D., et al., "Mucin in middle ear effusions inhibits attachment of Haemophilus influenzae to mucosal epithelial cells," European Archives of Oto-Rhino-Laryngology, 260:141-147, (2003).
	CU	Soriano, F. and V. Rodriguez-Cerrato, "Pharmacodynamic and kinetic basis for the selection of pneumococcal resistance in the upper respiratory tract," Journal of Antimicrobial Chemotherapy, 50 Suppl S2:51-58, (2002).
	CV	Stenton, G., et al., "Proteinase-activated receptor (PAR)-1 and -2 agonists induce mediator release from mast cells by pathways distinct from PAR-1 and PAR-2," Journal of Pharmacology and Experimental Therapeutics, 302, 466-474 , (2002).
	CW	Sutter, V., "Anaerobes as normal oral flora," Reviews of Infectious Diseases, 6 Suppl 1, S62-S66, (1984).
	CX	Tashiro, M., "Synergistic role of staphylococcal proteases in the induction of influenza virus pathogenecity," Virology, 157:421-430, (1987).
/TS/	CY	Teufel, M., et al., "Properties of sialidase isolated from Actinomyces viscosus DSM43798," Biological Chemistry Hoppe Seyler, 370:435-443, (1989).

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/TS/	CZ	Thomas, R. and T. Brooks, "Oligosaccharide receptor mimics inhibit Legionella pneumophila attachment to human respiratory epithelial cells," Microbial Pathogenesis, 36:83-92, (2004).
	DA	van Alphen, L., et al., "Blocking of fimbria-mediated adherence of Haemophilus influenzae by sialyl gangliosides," Infection and Immunity, 59:4473-4477, (1991).
	DB	Varshavsky, A., "The N-end rule: functions, mysteries, uses," Proceedings of the National Academy of Sciences of the United States of America, 93:12142-12149, (1996).
	DC	Wagner, J., "Efficient and persistent gene transfer of AAV-CFTR in maxillary sinus," Lancet, 351:1702-1703, (1998).
	DD	Wang, A., et al., "Comparison of adenoviral and adeno-associated viral vectors for pancreatic gene delivery in vivo," Human Gene Therapy, 15:405-413, (2004).
	DE	Wang, G., et al., "Influence of cell polarity on retrovirus-mediated gene transfer to differentiated human airway epithelia," Journal of Virology, 72:9818-9826, (1998).
	DF	Weisgraber, K.H., et al., "Human apoliproprotein E. Determination of the heparin binding sites of apolipoprotein E3," Journal of Biological Chemistry, 261(5):2068-2076, (1986).
	DG	Wuppermann, F., et al., "Heparan sulfate-like glycosaminoglycan is a cellular receptor for Chlamydia pneumoniae," Journal of Infectious Diseases, 184:181-187, (2001).
	DH	Zhirnov, O.P., "Proteolytic activation of myxoviruses and a new strategy in the treatment of viral diseases," Soviet Progress in Virology, 4:9-21, (1983).
/TS/	DI	Zopf, D. and S. Roth "Oligosaccharide anti-infective agents," Lancet, 347:1017-1021, (1996).

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